

# Motor Data Sheet



Output kW	1.5
Pole	2
Frame Size	90S
Voltage	230/415 50Hz, 440/460/480 60Hz
Motor Series	TAI
Construction	Aluminium
Type	TEFC
Protection	IP55
Insulation Class	F with Class B rise
Ambient	-20°C to +40°C at 1000 MASL
IEC Standard	IEC 60034 & 72
Duty	S1
Full Load RPM	2880
Full Load Current @ 400V	3.19 A
Starting Current Ratio	6.90
Full Load Torque (Nm)	5.0
Starting Torque Ratio	2.76
Break Down Torque Ratio	3.08
Pull Up Torque Ratio	1.87
Efficiency @ 100% load	83.1%
Efficiency @ 75% load	83.5%
Efficiency @ 50% load	81.3%
Power factor @ 100% load	0.83
Power factor @ 75% load	0.75
Power factor @ 50% load	0.60
Noise Level dB (A) @ 1 metre	68
Output kW @ 440/460/480V	1.65/1.73/1.80
Full Load RPM @ 60Hz	3456
Full Load Current @ 440/460/480V	2.90/2.77/2.66 A
Vibration Limit	1.8 mm/sec
Bearing Make	NSK
Bearing Type D.E./N.D.E	Ball/Ball
Bearing Size D.E./N.D.E.	6205ZZ/6205ZZ C3
Motor Mass	13.5 kg
Thermal Protection	Available upon request

Note: This data sheet has been issued for our standard TAI series and is subject to change without prior notice.